

85529
Delaval, Jan

From: Roark, Jessica
Sent: Wednesday, January 29, 2003 11:56 AM
To: Delaval, Jan
Subject: 09/726,899

Jan,

Please update the PGPub and issued files for the following from 09/726,899:

SEQ ID NO:3
SEQ ID NO:3 as an oligo.

Results on paper please.

Thanks!

Jessica H. Roark

CM1 8A03
Mailbox 9E12
Art Unit 1644
703 605-1209

Jan Delaval
Reference Librarian
Biotechnology & Chemical Library
CM1 1E07 – 703-308-4498
jan.delaval@uspto.gov

WEST Search History

DATE: Wednesday, January 29, 2003

Set Name Query

side by side

Hit Count Set Name

result set

DB=USPT,PGPB,DWPI; THES=ASSIGNEE; PLUR=YES; OP=OR

L8	L6 and (antibody same (dehydrogenase or NADH or NDS-2))	351	L8
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L7	L6 and (B15 or NDS-2)	4	L7
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L6	L5 and (@RLAD<19970117 or @PD<19970117)	1253	L6
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L5	L4 and antibody.bsum.	2311	L5
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L4	(dehydrogenase or NADH).bsum.	6385	L4
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L3	L2 and antibody	11086	L3
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L2	dehydrogenase or NADH	21327	L2
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DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR

L1	6399345.pn. or 5814451.pn.	2	L1
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END OF SEARCH HISTORY

GenCore version 5.1.3
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: January 29, 2003, 13:30:03 : Search time 11 Seconds
(without alignments)
236.639 Million cell updates/sec

Title: US-09-726-899-3

Perfect score: 678
Sequence: 1 MSFPRKRSRLTLPETLPD.....DRKEKIQGKIDRFHLSY 129

Scoring table:

BLOSUM62
Gapop 10.0 , Gapext 0.5

Number of hits satisfying chosen parameters: 122226

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:*

- 1: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep.*
- 2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep.*
- 7: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep.*
- 8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep.*
- 9: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
- 10: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
- 12: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB.pep.*
- 13: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
- 14: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	678	100.0	129	10	US-09-726-899-3
2	514	75.8	129	10	US-09-726-899-10
3	76	11.2	16	10	US-09-925-289-1044
4	70	10.3	337	10	US-09-814-777A-126
5	70	10.3	340	10	US-09-814-777A-15
6	70	10.3	384	10	US-09-814-777A-18
7	70	10.3	384	10	US-09-814-777A-20
8	70	10.3	470	10	US-09-814-777A-100
9	69	10.2	656	9	US-09-931-795-4
10	69	10.2	656	10	US-09-728-910-4
11	69	10.2	660	9	US-09-931-795-2
12	69	10.2	660	10	US-09-728-910-2
13	68	10.0	724	9	US-10-068-059-12
14	67.5	10.0	462	10	US-09-814-777A-99
15	67	9.9	746	9	US-10-068-059-6
16	64.5	9.5	285	12	US-10-027-450-24
17	64	9.4	305	9	US-10-028-072-264
18	64	9.4	305	10	US-09-731-872-285
19	63.5	9.4	416	9	US-10-114-893-198

20	62.5	9.2	376	9	US-09-854-286-22
21	62	9.1	1040	9	US-10-002-974-4
22	62	9.1	1040	12	US-10-014-269-4
23	61.5	9.1	353	10	US-09-801-368-116
24	61.5	9.1	1251	10	US-09-778-927A-58
25	61.5	9.1	1602	10	US-09-778-927A-59
26	61	9.0	403	9	US-09-864-921-176
27	61	9.0	619	12	US-10-000-864-10
28	61	9.0	795	9	US-09-864-921-188
29	61	9.0	1007	9	US-10-002-974-34
30	61	9.0	1007	9	US-10-002-974-55
31	61	9.0	1007	12	US-10-014-269-34
32	61	9.0	1009	9	US-09-864-921-107
33	61	9.0	1013	9	US-10-002-974-3
34	61	9.0	1013	12	US-10-014-269-3
35	61	9.0	1040	9	US-10-002-974-2
36	61	9.0	1040	9	US-10-002-974-59
37	61	9.0	1040	9	US-10-002-974-61
38	61	9.0	1040	9	US-10-002-974-63
39	61	9.0	1040	9	US-10-002-974-65
40	61	9.0	1040	9	US-10-002-974-67
41	61	9.0	1040	9	US-10-002-974-69
42	61	9.0	1040	9	US-10-002-974-85
43	61	9.0	1040	9	US-10-002-974-87
44	61	9.0	1040	12	US-10-014-269-2
45	60	8.8	164	9	US-10-174-590-568

ALIGNMENTS

RESULT 1
US-09-726-899-3
Sequence 3, Application US/09726899
Patent No. US20010041356A1
GENERAL INFORMATION:
APPLICANT: Bandman, Olga
APPLICANT: Goll, Surya K.
TITLE OF INVENTION: NOVEL SUBUNITS OF MADH DEHYDROGENASE
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/726,899
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/785,065
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0187 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
TELEX:
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 129 amino acids
TYPE: amino acid
STRANDEDNESS: single

TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: CONSENSUS
CLONE: Consensus
US-09-726-899-3

Query Match 100.0%; Score 678; DB 10; Length 129;
Best Local Similarity 100.0%; Pred. No. 9, 2e-76;
Matches 129; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MSFPKPPSSLRTPLELPAEYNISPETRRQAERLAIRAOIKREYLQYNDPNRRGLI 60
DB 1 MSFPKPPSSLRTPLELPAEYNISPETRRQAERLAIRAOIKREYLQYNDPNRRGLI 60
QY 61 ENPALLRMAYARTINYPNRPPTPKNSLMGALCGFGLIFIIYIIKTERDRKKEKLIQEGK 120
DB 61 ENPALLRMAYARTINYPNRPPTPKNSLMGALCGFGLIFIIYIIKTERDRKKEKLIQEGK 120
QY 121 LDRTFHLSY 129
DB 121 LDRTFHLSY 129
D 121 LDRTFHLSY 129

RESULT 2

US-09-726-899-10
Sequence 10, Application US/09726899
Patent No. US20010041356A1

GENERAL INFORMATION:
APPLICANT: Bandman, Olga
APPLICANT: Goli, Surya K.
APPLICANT: Hillman, Jennifer L.
TITLE OF INVENTION: NOVEL SUBUNITS OF NADH DEHYDROGENASE
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/726,899
FILING DATE:
CLASSIFICATION:
RIOR APPLICATION DATA:
APPLICATION NUMBER: 08/785,065
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0187 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
TELEX:
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 129 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: GenBank
CLONE: 114
US-09-726-899-10

Query Match 75.8%; Score 514; DB 10; Length 129;
Best Local Similarity 73.6%; Pred. No. 1, 1e-55;

Matches 95; Conservative 18; Mismatches 16; Indels 0; Gaps 0;

QY 1 MSFPKPPSSLRTPLELPAEYNISPETRRQAERLAIRAOIKREYLQYNDPNRRGLI 60
DB 1 MSFPKPPSSLRTPLELPAEYNISPETRRQAERLAIRAOIKREYLQYNDPNRRGLI 60
QY 61 ENPALLRMAYARTINYPNRPPTPKNSLMGALCGFGLIFIIYIIKTERDRKKEKLIQEGK 120
DB 61 EDALVAVMYTARSANITPNRPPTKTSILGALGIGPLVWYVFRTDRDRKKEKLIQEGK 120
QY 121 LDRTFHLSY 129
DB 121 LDRTFHLSY 129

RESULT 3

US-09-925-299-1044
Sequence 1044, Application US/09925299
Patent No. US20020055627A1

GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
FILE REFERENCE: PA102
CURRENT APPLICATION NUMBER: US/09/925,299
CURRENT FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: PCT/US00/05883
PRIOR FILING DATE: 2000-03-08
PRIOR APPLICATION NUMBER: 60/124,270
NUMBER OF SEQ ID NOS: 1556
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1044
LENGTH: 16
TYPE: PRT
ORGANISM: Homo sapiens
US-09-925-299-1044

Query Match 11.2%; Score 76; DB 10; Length 16;
Best Local Similarity 93.8%; Pred. No. 0.0027;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 114 KLIQEGKIDRTFHLIS 129
DB 1 KLIQVGKIDRTFHLIS 16

RESULT 4

US-09-814-777A-126
Sequence 126, Application US/09814777A
Patent No. US20020142415A1

GENERAL INFORMATION:
APPLICANT: KOOPMAN, Peter Anthony
APPLICANT: MUSCAT, George Eugene Orlando
TITLE OF INVENTION: NOVEL POLYPEPTIDES AND POLYNUCLEOTIDES AND METHODS OF USING TH
FILE REFERENCE: 21415-0003
CURRENT APPLICATION NUMBER: US/09/814,777A
CURRENT FILING DATE: 2001-03-23
PRIOR APPLICATION NUMBER: AU P06457
PRIOR FILING DATE: 2000-03-24
NUMBER OF SEQ ID NOS: 128
SOFTWARE: PatentIn version 3.0
SEQ ID NO 126
LENGTH: 337
TYPE: PRT
ORGANISM: Human
US-09-814-777A-126

Query Match 10.3%; Score 70; DB 10; Length 337;
Best Local Similarity 20.8%; Pred. No. 0.99;
Matches 31; Conservative 21; Mismatches 43; Indels 54; Gaps 5;

QY 4 PKYKPSLRTPLELPAEYNISPETR--RAQERLAIR-----AQLKREYLQYNDPNRRGLI 52

Db 4 PASPPSPQSPRSPERGVLSPAGRGEOADESRIRRPMAFMWAKDERKRLAQN 63
Oy 53 D-----PNRGLIENPALLRMAYARTINYPNFRPTPKNSLMGAL 92
Db 64 PDLHNAVLKMKLGKAMKELNAEKRPVEEAERLKVHRLD---HPNKKYRPR----- 113
Oy 93 CGFGPLFIYIITKTERDRKREKLIQEGKL 121
Db 114 -----RKKQARKARLRLEPGLL 129

RESULT 5
US-09-814-777A-15
; Sequence 15, Application US/09814777A
; Patent No. US20020142415A1
; GENERAL INFORMATION:
; APPLICANT: KOOPMAN, Peter Anthony
; APPLICANT: MUSCAT, George Eugene Orlando
; TITLE OF INVENTION: NOVEL POLYPEPTIDES AND POLYNUCLEOTIDES AND METHODS OF USING THEM
; FILE REFERENCE: 21415-0003
; CURRENT APPLICATION NUMBER: US/09/814,777A
; PRIOR FILING DATE: 2001-03-23
; PRIOR APPLICATION NUMBER: AU P06457
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 15
; LENGTH: 340
; TYPE: PRT
; ORGANISM: Human
US-09-814-777A-15

Query Match 10.3%; Score 70; DB 10; Length 340;
Best Local Similarity 20.8%; Pred. No. 1;
Matches 31; Conservative 21; Mismatches 43; Indels 54; Gaps 5;

Oy 4 PKYPSLSRLTPELTPDAEYNISPETR--RAQERLAIR-----AQLKREYLLQYN 52
Db 4 PASPPSPQSPRSPERGVLSPAGRGEOADESRIRRPMAFMWAKDERKRLAQN 63
Oy 53 D-----PNRGLIENPALLRMAYARTINYPNFRPTPKNSLMGAL 92
Db 64 PDLHNAVLKMKLGKAMKELNAEKRPVEEAERLKVHRLD---HPNKKYRPR----- 113
Oy 93 CGFGPLFIYIITKTERDRKREKLIQEGKL 121
Db 114 -----RKKQARKARLRLEPGLL 129

RESULT 6
US-09-814-777A-18
; Sequence 18, Application US/09814777A
; Patent No. US20020142415A1
; GENERAL INFORMATION:
; APPLICANT: KOOPMAN, Peter Anthony
; APPLICANT: MUSCAT, George Eugene Orlando
; TITLE OF INVENTION: NOVEL POLYPEPTIDES AND POLYNUCLEOTIDES AND METHODS OF USING THEM
; FILE REFERENCE: 21415-0003
; CURRENT APPLICATION NUMBER: US/09/814,777A
; PRIOR FILING DATE: 2001-03-23
; PRIOR APPLICATION NUMBER: AU P06457
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 18
; LENGTH: 384
; TYPE: PRT
; ORGANISM: Human
; NAME/KEY: misc_feature
; LOCATION: (1)..(482)
; NAME/KEY: misc_feature
; LOCATION: (679)..(1919)

; OTHER INFORMATION: Exon 2
US-09-814-777A-18
Query Match 10.3%; Score 70; DB 10; Length 384;
Best Local Similarity 20.8%; Pred. No. 1.2;
Matches 31; Conservative 21; Mismatches 43; Indels 54; Gaps 5;

Oy 4 PKYPSLSRLTPELTPDAEYNISPETR--RAQERLAIR-----AQLKREYLLQYN 52
Db 48 PASPPSPQSPRSPERGVLSPAGRGEOADESRIRRPMAFMWAKDERKRLAQN 107
Oy 53 D-----PNRGLIENPALLRMAYARTINYPNFRPTPKNSLMGAL 92
Db 108 PDLHNAVLKMKLGKAMKELNAEKRPVEEAERLKVHRLD---HPNKKYRPR----- 157
Oy 93 CGFGPLFIYIITKTERDRKREKLIQEGKL 121
Db 158 -----RKKQARKARLRLEPGLL 173

RESULT 7
US-09-814-777A-20
; Sequence 20, Application US/09814777A
; Patent No. US20020142415A1
; GENERAL INFORMATION:
; APPLICANT: KOOPMAN, Peter Anthony
; APPLICANT: MUSCAT, George Eugene Orlando
; TITLE OF INVENTION: NOVEL POLYPEPTIDES AND POLYNUCLEOTIDES AND METHODS OF USING THEM
; FILE REFERENCE: 21415-0003
; CURRENT APPLICATION NUMBER: US/09/814,777A
; PRIOR FILING DATE: 2001-03-23
; PRIOR APPLICATION NUMBER: AU P06457
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 20
; LENGTH: 384
; TYPE: PRT
; ORGANISM: Human
US-09-814-777A-20

Query Match 10.3%; Score 70; DB 10; Length 384;
Best Local Similarity 20.8%; Pred. No. 1.2;
Matches 31; Conservative 21; Mismatches 43; Indels 54; Gaps 5;

Oy 4 PKYPSLSRLTPELTPDAEYNISPETR--RAQERLAIR-----AQLKREYLLQYN 52
Db 48 PASPPSPQSPRSPERGVLSPAGRGEOADESRIRRPMAFMWAKDERKRLAQN 107
Oy 53 D-----PNRGLIENPALLRMAYARTINYPNFRPTPKNSLMGAL 92
Db 108 PDLHNAVLKMKLGKAMKELNAEKRPVEEAERLKVHRLD---HPNKKYRPR----- 157
Oy 93 CGFGPLFIYIITKTERDRKREKLIQEGKL 121
Db 158 -----RKKQARKARLRLEPGLL 173

RESULT 8
US-09-814-777A-100
; Sequence 100, Application US/09814777A
; Patent No. US20020142415A1
; GENERAL INFORMATION:
; APPLICANT: KOOPMAN, Peter Anthony
; APPLICANT: MUSCAT, George Eugene Orlando
; TITLE OF INVENTION: NOVEL POLYPEPTIDES AND POLYNUCLEOTIDES AND METHODS OF USING THEM
; FILE REFERENCE: 21415-0003
; CURRENT APPLICATION NUMBER: US/09/814,777A
; PRIOR FILING DATE: 2001-03-23
; PRIOR APPLICATION NUMBER: AU P06457
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.0

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; SEQ ID NO 100
; LENGTH: 470
; TYPE: PR
; ORGANISM: Human
US-09-814-777A-100

Query Match
Best Local Similarity 10.3%; Score 70; DB 10; Length 470;
Matches 31; Conservative 21; Mismatches 43; Indels 54; Gaps 5;

Oy 4 PKYSSLRTPETLDPAYNISPETR---RAQAERLAIR-----AQLKREYLLQYN 52
Db 4 PASPPSPQSPRSPSPGPGTISPGRGEQADSRIRPNMAWVWAKDKRRLAQQN 63
Oy 53 D-----PNNRGLIENPALLRMAYARTINYPNFRPTKNSLMGAL 92
Db 64 PDLNVAVLSKMLGKAMKELNAEKRPVEAEERLAVQHLD---HPNKKYRR----- 113
Oy 93 CGFGPLIFTYIIKTERDREKELIOEKL 121
Db 114 -----RKKQAKAKARLEPGILL 129

RESULT 9
US-09-931-795-4
; Sequence 4, Application US/09931795
; Publication No. US20020198211A1
; GENERAL INFORMATION:
; APPLICANT: ROZEN, Rima
; TITLE OF INVENTION: CDNA FOR HUMAN METHYLENETETRAHYDROFOLATE
; FILE REFERENCE: 04844/005003
; CURRENT APPLICATION NUMBER: US/09/931,795
; PRIOR FILING DATE: 2001-08-16
; PRIOR APPLICATION NUMBER: US 09/592,595
; PRIOR FILING DATE: 2000-06-12
; PRIOR APPLICATION NUMBER: US 09/258,928
; PRIOR FILING DATE: 1999-03-01
; PRIOR APPLICATION NUMBER: US 08/738,000
; PRIOR FILING DATE: 1997-02-12
; PRIOR APPLICATION NUMBER: PCT/CA95/00314
; PRIOR FILING DATE: 1995-05-25
; PRIOR APPLICATION NUMBER: GB 9410620.0
; PRIOR FILING DATE: 1994-05-26
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 656
; TYPE: PR
; ORGANISM: Homo sapiens
US-09-931-795-4

Query Match
Best Local Similarity 10.2%; Score 69; DB 9; Length 656;
Matches 29; Conservative 14; Mismatches 32; Indels 26; Gaps 6;

Oy 35 ERLAIRAQLKREYLLQYNDPNRGLIENPALLRMAYARTINYPNFRPTKNSLMGALCG 94
Db 458 EPLAETSLSKEELLRV---NRGIL-----TINSQPINCKPSSD---PIVG 499
Oy 95 FGP---LIF---IYYIIKTERDREKELIO---EGKIDRTFHL 127
Db 500 WPGSGGVFORAYLEFETSRETAELLQVLKKEELRVNHYL 540

RESULT 10
US-09-728-910-4
; Sequence 4, Application US/09728910
; Patent No. US20010025030A1
; GENERAL INFORMATION:
; APPLICANT: Rozen, Rima
; TITLE OF INVENTION: CDNA FOR HUMAN METHYLENETETRAHYDROFOLATE
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; TITLE OF INVENTION: REDUCTASE AND USES THEREOF
; FILE REFERENCE: 04844/006001
; CURRENT APPLICATION NUMBER: US/09/728,910
; CURRENT FILING DATE: 2000-12-01
; PRIOR APPLICATION NUMBER: US 09/258,928
; PRIOR FILING DATE: 1999-03-01
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 656
; TYPE: PR
; ORGANISM: Homo sapiens
US-09-728-910-4

Query Match
Best Local Similarity 10.2%; Score 69; DB 10; Length 656;
Matches 29; Conservative 14; Mismatches 32; Indels 26; Gaps 6;

Oy 35 ERLAIRAQLKREYLLQYNDPNRGLIENPALLRMAYARTINYPNFRPTKNSLMGALCG 94
Db 458 EPLAETSLSKEELLRV---NRGIL-----TINSQPINCKPSSD---PIVG 499
Oy 95 FGP---LIF---IYYIIKTERDREKELIO---EGKIDRTFHL 127
Db 500 WPGSGGVFORAYLEFETSRETAELLQVLKKEELRVNHYL 540

RESULT 11
US-09-931-795-2
; Sequence 2, Application US/09931795
; Publication No. US20020198211A1
; GENERAL INFORMATION:
; APPLICANT: ROZEN, Rima
; TITLE OF INVENTION: CDNA FOR HUMAN METHYLENETETRAHYDROFOLATE
; FILE REFERENCE: 04844/005003
; CURRENT APPLICATION NUMBER: US/09/931,795
; PRIOR FILING DATE: 2001-08-16
; PRIOR APPLICATION NUMBER: US 09/592,595
; PRIOR FILING DATE: 2000-06-12
; PRIOR APPLICATION NUMBER: US 09/258,928
; PRIOR FILING DATE: 1999-03-01
; PRIOR APPLICATION NUMBER: US 08/738,000
; PRIOR FILING DATE: 1997-02-12
; PRIOR APPLICATION NUMBER: PCT/CA95/00314
; PRIOR FILING DATE: 1995-05-25
; PRIOR APPLICATION NUMBER: GB 9410620.0
; PRIOR FILING DATE: 1994-05-26
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 660
; TYPE: PR
; ORGANISM: Homo sapiens
US-09-931-795-2

Query Match
Best Local Similarity 10.2%; Score 69; DB 9; Length 660;
Matches 29; Conservative 14; Mismatches 32; Indels 26; Gaps 6;

Oy 35 ERLAIRAQLKREYLLQYNDPNRGLIENPALLRMAYARTINYPNFRPTKNSLMGALCG 94
Db 462 EPLAETSLSKEELLRV---NRGIL-----TINSQPINCKPSSD---PIVG 503
Oy 95 FGP---LIF---IYYIIKTERDREKELIO---EGKIDRTFHL 127
Db 504 WPGSGGVFORAYLEFETSRETAELLQVLKKEELRVNHYL 544

RESULT 12
US-09-728-910-2
; Sequence 2, Application US/09728910
; Patent No. US20010025030A1
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: GENERAL INFORMATION:
: APPLICANT: Rozen, Rima
: APPLICANT: Sekhon, Jaspreet
: TITLE OF INVENTION: CDNA FOR HUMAN METHYLENETETRAHYDROFOLATE
: TITLE OF INVENTION: REDUCTASE AND USES THEREOF
: FILE REFERENCE: 04844/006001
: CURRENT APPLICATION NUMBER: US/09/728,910
: CURRENT FILING DATE: 2000-12-01
: PRIOR APPLICATION NUMBER: US 09/258,928
: PRIOR FILING DATE: 1999-03-01
: NUMBER OF SEQ ID NOS: 15
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 2
: LENGTH: 660
: TYPE: prt
: ORGANISM: Homo sapiens
: US-09-728-910-2

```

Query Match	Similarity	10.2%	Score 69	DB 10	Length 660
Local	Similarity	28.7%	Pred. No. 3.3		
Matches	Conservative	14	Mismatches	32	Indels 26; Gaps 6
QY	35	EKLAIKRAQLKREYLLQYNDPNRRGLIENPALLRMWYARTINYYPNRPKPSLNGALCG	94		
DB	462	EPLAETSLIKELRLV---NRGIL-----TINSOPNINPKPSSD---PIVG	503		
QY	95	FGP---LIF--IYYIIKTERDRKEKLIQ---EGKLDRTFHL	127		
DB	504	WPGSGYVFQKAYLEFPTSREAEALLQYLLKRYELRVNTHL	544		

```

RESULT 13
US-10-068-059-12
: Sequence 12, Application US/10068059
: Patent No. US20020155434A1
: GENERAL INFORMATION:
: APPLICANT: Mizzen, Lee A.
: APPLICANT: Hongwei, Liu
: APPLICANT: Siegel, Marvin
: TITLE OF INVENTION: HEPATITIS B VIRUS TREATMENT
: FILE REFERENCE: 12071-017002
: CURRENT APPLICATION NUMBER: US/10/068,059
: CURRENT FILING DATE: 2002-06-04
: PRIOR APPLICATION NUMBER: US 60/266,733
: PRIOR FILING DATE: 2001-02-05
: NUMBER OF SEQ ID NOS: 12
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 12
: LENGTH: 724
: TYPE: PRT
: ORGANISM: Artificial Sequence
: FEATURE:
: OTHER INFORMATION: Fusion protein
US-10-068-059-12

```

	Query Match	Similarity	Score	DB	Length	724;		
Best Local	24;	Conservative	10.0%;	3.3%;	Pred. No. 5;			
Matches	24;	Conservative	7;	Mismatches	23;	Indels 18; Gaps 4		
Qy	4	PKYKSS---	LFTLEP	LT-----	DPAEINIS	ETRRQAQERLAI	QAQKRE---Y 47	
Db	130	PATPKPNAP	ILSTLEET	VVRRDRGR	SRPRRT	PTSPRRRRSS	PPR--RRSSR	ESQCAK 187
Qy	48	LLOYNDP	NRGRL	59				
Pb	188	TIAYDE	EARGL	199				

```

RESULT 14
US-09-814-777A-99
; Sequence 99, Application US/09814777A
; Patent No. US20020142415A1
; GENERAL INFORMATION:

```

```

1  APPLICANT: KOOPMAN, Peter Anthony
2  APPLICANT: MUSCAT, George Eugene Orlando
3  TITLE OF INVENTION: NOVEL POLYPEPTIDES AND POLYNUCLEOTIDES AND METHODS OF USING TH
4  FILE REFERENCE: 21415-0003
5  CURRENT APPLICATION NUMBER: US/09/814,777A
6  CURRENT FILING DATE: 2001-03-23
7  PRIOR APPLICATION NUMBER: AU P06457
8  PRIOR FILING DATE: 2000-03-24
9  NUMBER OF SEQ ID NOS: 128
10 SOFTWARE: Patentin version 3.0
11 SEQ ID NO 99
12 LENGTH: 462
13 TYPE: PR1
14 ORGANISM: Human
15 US-09-814-777A-99

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Query Match	10.0%	Score 67.5;	DB 10;	Length 462;
Best Local Similarity	29.7%;	Pred. No. 3.1;		
Matches 19; Conservative	11;	Mismatches 31;	Indels 3;	Gaps 2
QY	4	PKYKSSRLTLPETLDPAAEVNISPETR--RAOAERLAIRAQLREYLLOYPNRRGLIE	61	
	: : :		:	
Db	4	PASPPSPORSPPRSEPCRGICLSPAARGEROADESRITRPV-NAPFWAKDERKRLLAQ	62	
QY	62	NPAL-65		
Db	63	NPD L 66		

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RESULT 15
US-10-068-059-6
: Sequence 6, Application US/10068059
: Patent No. US2002015543A1
: GENERAL INFORMATION:
: APPLICANT: Mizzen, Lee A.
: APPLICANT: Hongwei, Liu
: APPLICANT: Siegel, Marvin
: TITLE OF INVENTION: HEPATITIS B VIRUS TREATMENT
: FILE REFERENCE: 12071-017002
: CURRENT APPLICATION NUMBER: US/10/068,059
: CURRENT FILING DATE: 2002-06-04
: PRIOR APPLICATION NUMBER: US 60/266,733
: PRIOR FILING DATE: 2001-02-05
: NUMBER OF SEQ ID NOS: 12
: SOFTWARE: FASTSEQ for Windows Version 4.0
: SEQ ID NO 6
: LENGTH: 746
: TYPE: PRT
: ORGANISM: Artificial Sequence
: FEATURE:
: OTHER INFORMATION: Fusion protein
US-10-068-059-6

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Query Match          9.9%;  score 67;  DB 9;  length 746;
Best Local Similarity 30.6%;  Pred. No. 6.9;
Matches 22;  Conservative 9;  Mismatches 25;  Indels 16;  Gaps 3

OY      4  PKYKSS---LRTLEETL-----DPAENISPEPTRAQAE---LAIRAQLKREY 47
      |||:|  ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB      150  PAFRPPNAPILSTLETTIVRRDRDGRSGSPFRRTPPSRRRSOSPRRRSOSRESOCVNAK 209
      |||:|  ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

OY      48  LLÖYNDPNRRGL 59
      : ||: ||||
db      210  TIAYDEARRGL 221

```

Search completed: January 29, 2003, 13:33:56
Job time : 13 secs

GenCore version 5.1.3
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: January 29, 2003, 13:29:43 : Search time 15 Seconds
(without alignments)
253.037 Million cell updates/sec

Title: US-09-726-899-3

Perfect score: 678
Sequence: 1 MSFVKRPSRLRTLPETLDP.....DRKELIQEGLDRTFHLST 129

Scoring table:

BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

1 number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents.AA:*
1: /cgn2_6/ptodata/1/1aa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/1aa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/1aa/6A_COMB.pep:*
4: /cgn2_6/ptodata/1/1aa/6B_COMB.pep:*
5: /cgn2_6/ptodata/1/1aa/PTUS_COMB.pep:*
6: /cgn2_6/ptodata/1/1aa/backfills1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	678	100.0	129	2	US-08-785-065-3 Sequence 3, Appl1
2	678	100.0	129	4	US-09-151-412-3 Sequence 3, Appl1
3	514	75.8	129	2	US-08-785-065-10 Sequence 10, Appl1
4	514	75.8	129	4	US-09-151-412-10 Sequence 10, Appl1
5	69.5	10.3	294	2	US-08-874-347-26 Sequence 26, Appl1
6	69.5	10.3	294	3	US-09-093-522-26 Sequence 26, Appl1
7	69	10.2	656	3	US-08-738-000-4 Sequence 4, Appl1
8	69	10.2	656	4	US-09-258-928-4 Sequence 4, Appl1
9	69	10.2	656	4	US-09-347-878-24 Sequence 24, Appl1
10	69	10.2	660	3	US-08-738-000-2 Sequence 2, Appl1
11	69	10.2	660	4	US-09-258-928-2 Sequence 2, Appl1
12	68	10.0	196	4	US-09-227-357-393 Sequence 393, App
13	68	10.0	228	4	US-09-227-357-401 Sequence 401, App
14	68	10.0	371	4	US-09-199-637A-295 Sequence 295, App
15	68	10.0	864	4	US-09-604-978-11 Sequence 11, Appl1
16	64.5	9.5	285	4	US-09-173-300-24 Sequence 24, Appl1
17	64	9.4	152	1	US-07-644-372-2 Sequence 2, Appl1
18	64	9.4	305	2	US-08-946-528-1 Sequence 1, Appl1
19	63	9.3	3898	4	US-08-750-717-2 Sequence 2, Appl1
20	62.5	9.2	366	4	US-08-605-106-11 Sequence 11, Appl1
21	62	9.1	214	4	US-09-587-066-6 Sequence 6, Appl1
22	61.5	9.1	60	1	US-08-370-225-32 Sequence 32, Appl1
23	61.5	9.1	60	5	PCR-US93-10069-32 Sequence 32, Appl1
24	61.5	9.1	353	1	US-08-176-620A-14 Sequence 14, Appl1
25	61.5	9.1	353	2	US-08-461-985-14 Sequence 14, Appl1
26	61.5	9.1	353	4	US-08-932-787B-19 Sequence 19, Appl1

28	61.5	9.1	353	4	US-08-932-012C-19 Sequence 19, Appl1
29	61.5	9.1	353	4	US-08-888-818C-19 Sequence 19, Appl1
30	61.5	9.1	484	2	US-08-836-620A-13 Sequence 13, Appl1
31	61.5	9.1	485	2	US-08-836-620A-2 Sequence 2, Appl1
32	61.5	9.1	1676	4	US-08-487-762-73 Sequence 2, Appl1
33	61	9.0	420	2	US-08-846-762-73 Sequence 73, Appl1
34	61	9.0	619	1	US-08-472-934-4 Sequence 4, Appl1
35	61	9.0	619	1	US-08-472-934-12 Sequence 12, Appl1
36	61	9.0	619	2	US-08-323-460A-4 Sequence 4, Appl1
37	61	9.0	619	2	US-08-461-146C-4 Sequence 4, Appl1
38	61	9.0	619	2	US-08-461-146C-12 Sequence 12, Appl1
39	61	9.0	619	3	US-08-461-145C-4 Sequence 4, Appl1
40	61	9.0	619	3	US-08-461-145C-12 Sequence 12, Appl1
41	61	9.0	619	4	US-09-423-890-10 Sequence 10, Appl1
42	61	9.0	619	4	US-08-628-829-6 Sequence 6, Appl1
43	61	9.0	619	4	US-08-628-829-8 Sequence 8, Appl1
44	61	9.0	915	2	US-08-480-917-2 Sequence 2, Appl1
45	61	9.0	915	4	US-09-138-736-2 Sequence 2, Appl1

ALIGNMENTS

RESULT 1
US-08-785-065-3
Sequence 3, Application US/08785065
Patent No. 5814451
GENERAL INFORMATION:
APPLICANT: Bandman, Olga
APPLICANT: Goll, Surya K.
TITLE OF INVENTION: NOVEL SUBUNITS OF NAADH DEHYDROGENASE
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/785,065
FILING DATE: Herewith
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0187 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
TELEX:
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 129 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: Consensus
CLONE: Consensus
US-08-785-065-3
Query Match 100.0%; Score 678; DB 2; Length 129;
Best Local Similarity 100.0%; Pred. No. 8,6e-75;


```

US-09-151-412-10
; Sequence 10 Application US/09151412
; Patent No. 6399345
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; APPLICANT: Goli, Surya K.
; APPLICANT: Hillman, Jennifer L.
; TITLE OF INVENTION: NOVEL SUBUNITS OF NADH DEHYDROGENASE
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/151.412
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/785,065
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0187 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 129 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: Genbank
; CLONE: 114
; US-09-151-412-10
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Very Match 75.8%; Score 514; DB 4; Length 129;
; Local Similarity 73.6%; Pred. No. 7e-55;
Matches 95; Conservative 18; Mismatches 16; Indels 0; Gaps 0;
QY 1 MSFPYKPSSTLTLEETDPAEYNISPEPTRAOERLAIRAOLKREYLQVNDPNRRGLI 60
|:||||:| |:| |||||:| | |||:|||||:| ||| |||:|
DB 1 MSFPYEARSLSSLTTPIDPAEYDISSETRKQAERLARLSLKREYQLQITDPSSRGVI 60
|:-|||:| |:| :||| | | |:-| | |:-| | |:-| | |:-|
QY 61 ENPALLRMAYATINVPNFRPTPRNSLGMALCGEGPLFIYYIIKTERDRKKLIQECK 120
|-|||:| |:| :||| | | |:-| | |:-| | |:-| | |:-|
DB 61 EDPALVRMTYASANIYPNFRPNTXSLGALFGIGPLVFYVYVKTDPRDKRLIQECK 120
|-|||:| |:| :||| | | |:-| | |:-| | |:-| | |:-|
QY 121 LDRTFHLS 129
| ||||:| |
DB 121 LDRTFNISY 129
| ||||:| |

```

```

? TITLE OF INVENTION: CDC2 PROTEIN KINASE FROM PNEUMOCYSTIS
? TITLE OF INVENTION: CARINITI
? NUMBER OF SEQUENCES: 26
? CORRESPONDENCE ADDRESS:
? ADDRESSEE: Fish & Richardson P.C., P.A.
? STREET: 60 South Sixth Street, Suite 3300
? CITY: Minneapolis
? STATE: MN
? COUNTRY: USA
? ZIP: 55402
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Diskette
? COMPUTER: IBM Compatible
? OPERATING SYSTEM: DOS
? SOFTWARE: FASTSEQ for Windows Version 2.0
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/08/874,347
? FILING DATE: 13-JUN-1997
? CLASSIFICATION: 435
? ATTORNEY/AGENT INFORMATION:
? NAME: Ellinger, Mark S.
? REGISTRATION NUMBER: 34,812
? REFERENCE/DOCKET NUMBER: 07039/055001
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: 612-335-5070
? TELEFAX: 612-288-9696
? TELEX:
? INFORMATION FOR SEQ ID NO: 26:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 294 amino acids
? TYPE: amino acid
? STRANDEDNESS: single
? TOPOLOGY: linear
? MOLECULE TYPE: protein
? US-08-874-347-26

Oy      2  SPPKKPSRLTLPETLPAEYN-TSPETRRRAQARLAIRADLKREY 47
Db       240  AFPKWAOPLATVPTLPDAGLDLSKMLRPEPNKRITARAQLEHYH 286

RESULT 6
US-09-093-522-26
? Sequence 26, Application US/09093522
? Patent No. 6015700
? GENERAL INFORMATION:
? APPLICANT: Limper, Andrew H.
? APPLICANT: Leof, Edward B.
? APPLICANT: Thomas, Charles F.
? APPLICANT: Gustafson, Michael P.
? TITLE OF INVENTION: CDC2 PROTEIN KINASE FROM PNEUMOCYSTIS
? NUMBER OF SEQUENCES: 26
? CORRESPONDENCE ADDRESS:
? ADDRESSEE: Fish & Richardson P.C., P.A.
? STREET: 60 South Sixth Street, Suite 3300
? CITY: Minneapolis
? STATE: MN
? COUNTRY: USA
? ZIP: 55402
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Diskette
? COMPUTER: IBM Compatible
? OPERATING SYSTEM: DOS
? SOFTWARE: FASTSEQ for Windows Version 2.0
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/09/093,522
? FILING DATE: 08-JUN-1998
? CLASSIFICATION:

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Db 458 EPLAETSLKELLRV---NRGIL-----TINSOPNNGKRPSSD---PIVG 499

QY 95 FGP---LIF--IYYIKTERDRKREKLIQ---EGKLDRTFHL 127

Db 500 WGPSCGYVFOKAYLEFFTSRETAELALQVLRKKELELVNHYL 540

RESULT 10

US-08-738-000-2

Sequence 2, Application US/08738000

Patent No. 6074821

GENERAL INFORMATION:

TITLE OF INVENTION: CDNA FOR HUMAN METHYLENETETRAHYDROFOLATE

TITLE OF INVENTION: REDUCTASE

NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:

ADDRESSEE: KLAUBER & JACKSON

STREET: Continental Plaza - 411 Hackensack Avenue

CITY: Hackensack

STATE: New Jersey

COUNTRY: U.S.A.

ZIP: 07601

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/738,000

FILING DATE:

CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER: WO PCT/CA95/00314

FILING DATE: 25-MAY-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: GB 9410620.0

FILING DATE: 26-MAY-1994

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 660 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-738-000-2

Query Match 10.2% Score 69; DB 3; Length 660;

Best Local Similarity 28.7%; Pred. No. 6.7;

Matches 29; Conservative 14; Mismatches 32; Indels 26; Gaps 6;

35 ERLAIRAOLKREYLQYNDPNRGLIENPALRMAYARTINYPNRPPTKNSLMGALCG 94

Db 462 EPLAETSLKELLRV---NRGIL-----TINSOPNNGKRPSSD---PIVG 503

QY 95 FGP---LIF--IYYIKTERDRKREKLIQ---EGKLDRTFHL 127

Db 504 WGPSCGYVFOKAYLEFFTSRETAELALQVLRKKELELVNHYL 544

RESULT 11

US-09-258-928-2

Sequence 2, Application US/09258928

Patent No. 6218120

GENERAL INFORMATION:

APPLICANT: ROZEN, Rima

TITLE OF INVENTION: CDNA FOR HUMAN METHYLENETETRAHYDROFOLATE

FILE REFERENCE: REDUCTASE

CURRENT APPLICATION NUMBER: US/09/258,928

PRIOR FILING DATE: 1999-03-01

PRIOR APPLICATION NUMBER: 08/738,000

PRIOR FILING DATE: 1997-02-12

PRIOR APPLICATION NUMBER: GB 9410620.0

PRIOR FILING DATE: 1994-05-26

NUMBER OF SEQ ID NOS: 14

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 2

LENGTH: 660

TYPE: PRT

ORGANISM: Homo sapiens

US-09-258-928-2

Query Match 10.2% Score 69; DB 4; Length 660;

Best Local Similarity 28.7%; Pred. No. 6.7;

Matches 29; Conservative 14; Mismatches 32; Indels 26; Gaps 6;

QY 35 ERLAIRAOLKREYLQYNDPNRGLIENPALRMAYARTINYPNRPPTKNSLMGALCG 94

Db 462 EPLAETSLKELLRV---NRGIL-----TINSOPNNGKRPSSD---PIVG 503

QY 95 FGP---LIF--IYYIKTERDRKREKLIQ---EGKLDRTFHL 127

Db 504 WGPSCGYVFOKAYLEFFTSRETAELALQVLRKKELELVNHYL 544

RESULT 12

US-09-227-357-393

Sequence 393, Application US/09227357

Patent No. 6342581

GENERAL INFORMATION:

APPLICANT: Fischer et al.

TITLE OF INVENTION: 123 Human Secreted Proteins

FILE REFERENCE: P2010P1

CURRENT APPLICATION NUMBER: US/09/227,357

FILING DATE: 1999-01-08

EARLIER APPLICATION NUMBER: PCT/US98/13684

EARLIER FILING DATE: 1998-07-07

EARLIER APPLICATION NUMBER: 60/051,926

EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/052,793

EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/051,925

EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/051,929

EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/052,803

EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/052,732

EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/051,931

EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/051,932

EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/051,916

EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/051,930

EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/051,918

EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/051,920

EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/052,733

EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/052,795

EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/051,919

EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/051,928

EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/055,722

EARLIER FILING DATE: 1997-08-18

EARLIER APPLICATION NUMBER: 60/055,723

EARLIER FILING DATE: 1997-08-18

EARLIER APPLICATION NUMBER: 60/055,948

EARLIER FILING DATE: 1997-08-18

EARLIER APPLICATION NUMBER: 60/055,949

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EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,953
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,950
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,947
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,964
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/056,360
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,684
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,984
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,954
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/058,785
EARLIER FILING DATE: 1997-09-12
EARLIER APPLICATION NUMBER: 60/058,664
EARLIER FILING DATE: 1997-09-12
EARLIER APPLICATION NUMBER: 60/058,660
EARLIER FILING DATE: 1997-09-12
EARLIER APPLICATION NUMBER: 60/058,661
EARLIER FILING DATE: 1997-09-12
NUMBER OF SEQ ID NOS: 672
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 393
LENGTH: 196
TYPE: PRT
ORGANISM: Homo sapiens
US-09-227-357-393
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Query Match 10.0%; Score 68; DB 4; Length 196;
Best Local Similarity 23.0%; Pred. No. 1.7;

Matches 32; Conservative 22; Mismatches 55; Indels 30; Gaps 5;

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QY 1 MSPPKPKSSLRPLPTLPDAEYN-----ISPETRAQAERLAIRAOLKREYLLQYN 52
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 30 VERSEKELSLVLPKSGED---YNLKLHLPIIPEQSTFKVLSTKLEIKKKPEAVRWE 86
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 53 DPNRGLIENPALLRNAYATIVYPRFRTPKN--SLMGALCGFGLIYYIIKTERD 110
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 87 KLEGQDVP--KQFVADVKNLYPSSSPYTRNMKLVGEI-----KEEF 129
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 111 RKEKLEOGKLDRTFHLSY 129
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 130 KNEKLEGDAALNRLFOQIY 148
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RESULT 13

US-09-227-357-401
Sequence 401, Application US/09227357

Patent No. 6342581

GENERAL INFORMATION:

APPLICANT: Fischer et al.

TITLE OF INVENTION: 123 Human Secreted Proteins

FILE REFERENCE: P2010P1

CURRENT APPLICATION NUMBER: US/09/227,357

EARLIER APPLICATION NUMBER: PCT/US98/13684

EARLIER FILING DATE: 1998-07-07

EARLIER APPLICATION NUMBER: 60/051,926

EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/052,793

EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/051,925

EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/051,929

EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/052,803

EARLIER FILING DATE: 1997-07-08

EARLIER APPLICATION NUMBER: 60/052,732

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EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/051,931
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/051,932
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/051,916
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EARLIER FILING DATE: 1997-07-08
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EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,723
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,948
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,949
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,953
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,950
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,947
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,964
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/056,360
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,684
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,984
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055,954
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/058,785
EARLIER FILING DATE: 1997-09-12
EARLIER APPLICATION NUMBER: 60/058,664
EARLIER FILING DATE: 1997-09-12
EARLIER APPLICATION NUMBER: 60/058,660
EARLIER FILING DATE: 1997-09-12
EARLIER APPLICATION NUMBER: 60/058,661
EARLIER FILING DATE: 1997-09-12
NUMBER OF SEQ ID NOS: 672
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 401
LENGTH: 228
TYPE: PRT
ORGANISM: Homo sapiens
US-09-227-357-401
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Query Match 10.0%; Score 68; DB 4; Length 228;

Best Local Similarity 23.0%; Pred. No. 2.1;

Matches 32; Conservative 22; Mismatches 55; Indels 30; Gaps 5;

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QY 1 MSPPKPKSSLRPLPTLPDAEYN-----ISPETRAQAERLAIRAOLKREYLLQYN 52
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 62 VERSEKELSLVLPKSGED---YNLKLHLPIIPEQSTFKVLSTKLEIKKKPEAVRWE 118
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 53 DPNRGLIENPALLRNAYATIVYPRFRTPKN--SLMGALCGFGLIYYIIKTERD 110
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 119 KLEGQDVP--KQFVADVKNLYPSSSPYTRNMKLVGEI-----KEEF 161
```


WEST**End of Result Set**☐

Generate Collection

Print

L1: Entry 2 of 2

File: USPT

Sep 29, 1998

US-PAT-NO: 5814451

DOCUMENT-IDENTIFIER: US 5814451 A

TITLE: Subunits of NADH dehydrogenase

DATE-ISSUED: September 29, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bandman; Olga	Mountain View	CA		
Goli; Surya K.	Sunnyvale	CA		
Hillman; Jennifer L.	San Jose	CA		

US-CL-CURRENT: 435/6; 475/191, 536/23.2

CLAIMS:

What is claimed is:

1. An isolated and purified polynucleotide sequence encoding a NADH dehydrogenase subunit of SEQ ID NO:1.
2. A polynucleotide sequence which hybridizes under stringent conditions to the polynucleotide sequence of claim 1.
3. A hybridization probe comprising the polynucleotide sequence of claim 1.
4. An isolated and purified polynucleotide sequence comprising SEQ ID NO:2 or variants thereof encoding an active NADH dehydrogenase.
5. A polynucleotide sequence which is complementary to the polynucleotide sequence of claim 1 or variants thereof encoding an active NADH dehydrogenase.
6. A hybridization probe comprising the polynucleotide sequence of claim 5.
7. An expression vector containing the polynucleotide sequence of claim 1.
8. A host cell containing the vector of claim 7.
9. A method for producing a polypeptide comprising the amino acid sequence of SEQ ID NO:1 the method comprising the steps of:
 - a) culturing the host cell of claim 8 under conditions suitable for the expression of the polypeptide; and
 - b) recovering the polypeptide from the host cell culture.
10. A method for detection of polynucleotides encoding a NADH dehydrogenase subunit in a biological sample comprising the steps of:
 - a) hybridizing the polynucleotide of claim 5 to nucleic acid material of a biological sample, thereby forming a hybridization complex; and

b) detecting said hybridization complex, wherein the presence of said complex correlates with the presence of a polynucleotide encoding said NADH dehydrogenase subunit in said biological sample.

WEST

Generate Collection

Print

L1: Entry 1 of 2

File: USPT

Jun 4, 2002

US-PAT-NO: 6399345

DOCUMENT-IDENTIFIER: US 6399345 B2

TITLE: Subunits of NADH dehydrogenase

DATE-ISSUED: June 4, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bandman; Olga	Mountain View	CA		
Goli; Surya K.	Sunnyvale	CA		
Hillman; Jennifer L.	San Jose	CA		

US-CL-CURRENT: 435/191; 435/25

CLAIMS:

What is claimed is:

1. An isolated polypeptide selected from the group consisting of:

a) a recombinant human polypeptide comprising the amino acid sequence of SEQ ID NO:1, said recombinant polypeptide being free of other human amino acid sequences, and

b) a recombinant polypeptide comprising a naturally occurring human amino acid sequence at least 90% identical to the amino acid sequence of SEQ ID NO:1, said recombinant polypeptide being free of other human amino acid sequences.

2. An isolated polypeptide of claim 1, comprising the amino acid sequence of SEQ ID NO:1.

3. An isolated polypeptide of claim 1, comprising a naturally occurring human amino acid sequence at least 90% identical to the amino acid sequence of SEQ ID NO:1, said polypeptide being free of other human amino acid sequences.

4. An isolated polypeptide of claim 1, comprising a naturally occurring human amino acid sequence at least 95% identical to the amino acid sequence of SEQ ID NO:1, said polypeptide being free of other human amino acid sequences.

5. A composition comprising a polypeptide of claim 1 and a pharmaceutically acceptable excipient.

6. A composition comprising a polypeptide of claim 2 and a pharmaceutically acceptable excipient.

7. A composition comprising a polypeptide of claim 3 and a pharmaceutically acceptable excipient.

8. A composition comprising a polypeptide of claim 4 and a pharmaceutically acceptable excipient.

9. A method for producing a polypeptide of claim 1, the method comprising:

a) culturing a cell under conditions suitable for expression of the polypeptide, wherein said cell is transformed with a recombinant polynucleotide, and said recombinant polynucleotide comprises a promoter sequence operably linked to a polynucleotide encoding the polypeptide of claim 1, and

b) recovering the polypeptide so expressed.

10. A method for screening a compound for effectiveness as an agonist of a polypeptide of claim 1, the method comprising:

a) exposing a sample comprising a polypeptide of claim 1 to a compound, and

b) detecting agonist activity in the sample.

11. A method for screening a compound for effectiveness as an antagonist of a polypeptide of claim 1, the method comprising:

a) exposing a sample comprising a polypeptide of claim 1 to a compound, and

b) detecting antagonist activity in the sample.

12. A method of screening for a compound that specifically binds to the polypeptide of claim 1, said method comprising the steps of:

a) combining the polypeptide of claim 1 with at least one test compound under suitable conditions, and

b) detecting binding of the polypeptide of claim 1 to the test compound, thereby identifying a compound that specifically binds to the polypeptide of claim 1.

13. A method of screening for a compound that modulates the activity of the polypeptide of claim 1, said method comprising:

a) combining the polypeptide of claim 1 with at least one test compound under conditions permissive for the activity of the polypeptide of claim 1,

b) assessing the activity of the polypeptide of claim 1 in the presence of the test compound, and

c) comparing the activity of the polypeptide of claim 1 in the presence of the test compound with the activity of the polypeptide of claim 1 in the absence of the test compound, wherein a change in the activity of the polypeptide of claim 1 in the presence of the test compound is indicative of a compound that modulates the activity of the polypeptide of claim 1.

